Quantitation Report (Qedit)

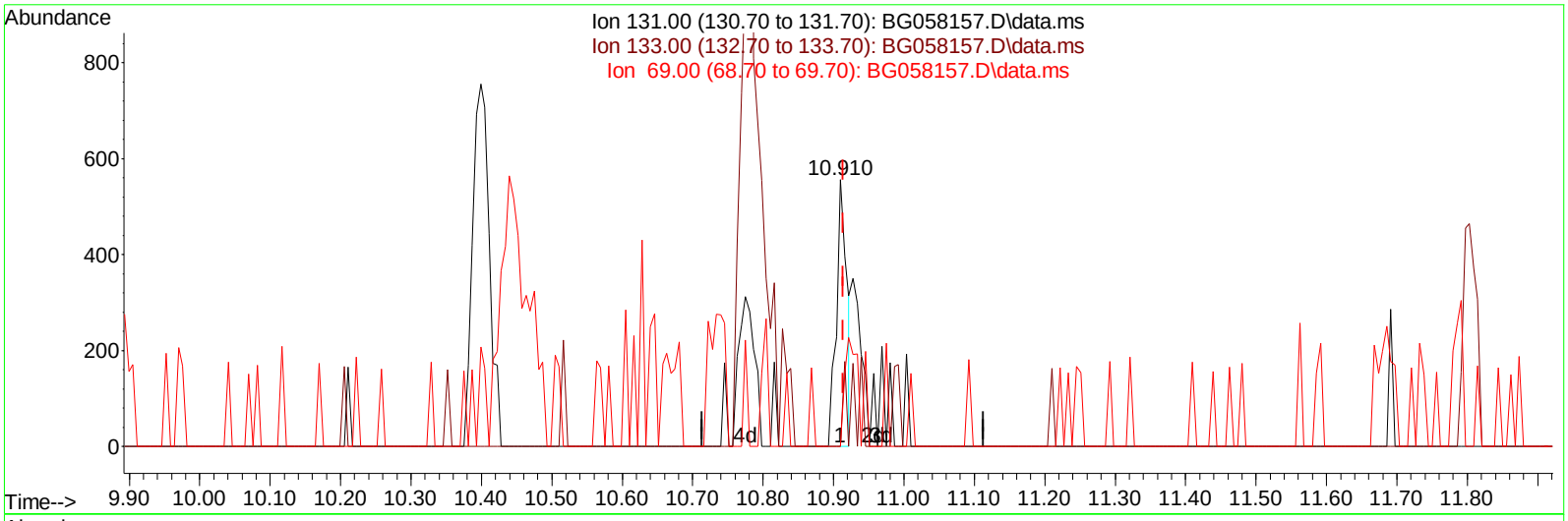
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071123\
Data File : BG058157.D
Acq On : 11 Jul 2023 12:53
Operator : CG/JU
Sample : 03386-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

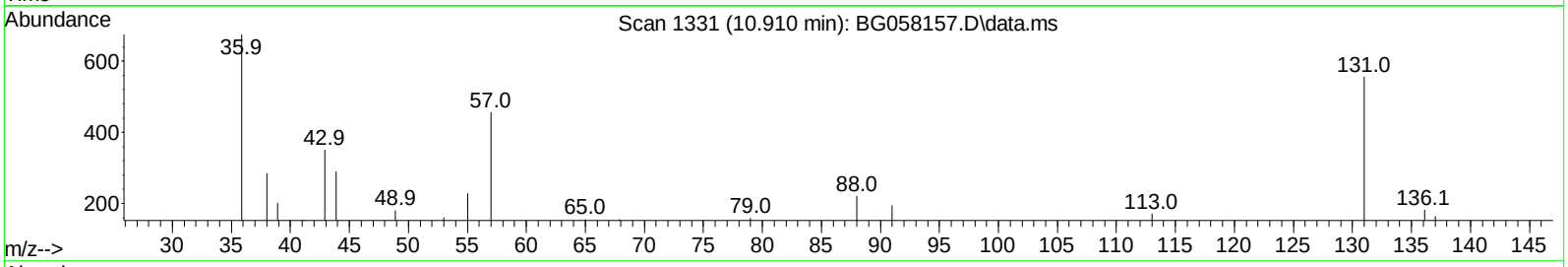
Quant Time: Jul 11 22:54:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070123.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 10 16:52:40 2023
Response via : Initial Calibration

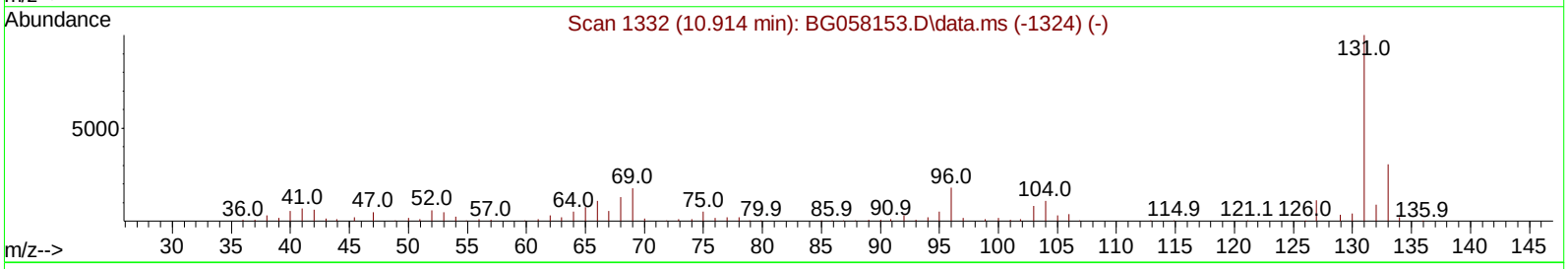
**Instrument :**
BNA_G
**ClientSampleId :**
EX801

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023




TIC: BG058157.D\data.ms

**(31) 4-Chloroaniline-d4 (S)**

**10.910min (-0.003) 0.10 ng/ul**

**response 585**

| Ion | Exp% | Act% |
|---|---|---|
| 131.00 | 100.00 | 100.00 |
| 133.00 | 31.10 | 0.00# |
| 69.00 | 18.00 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

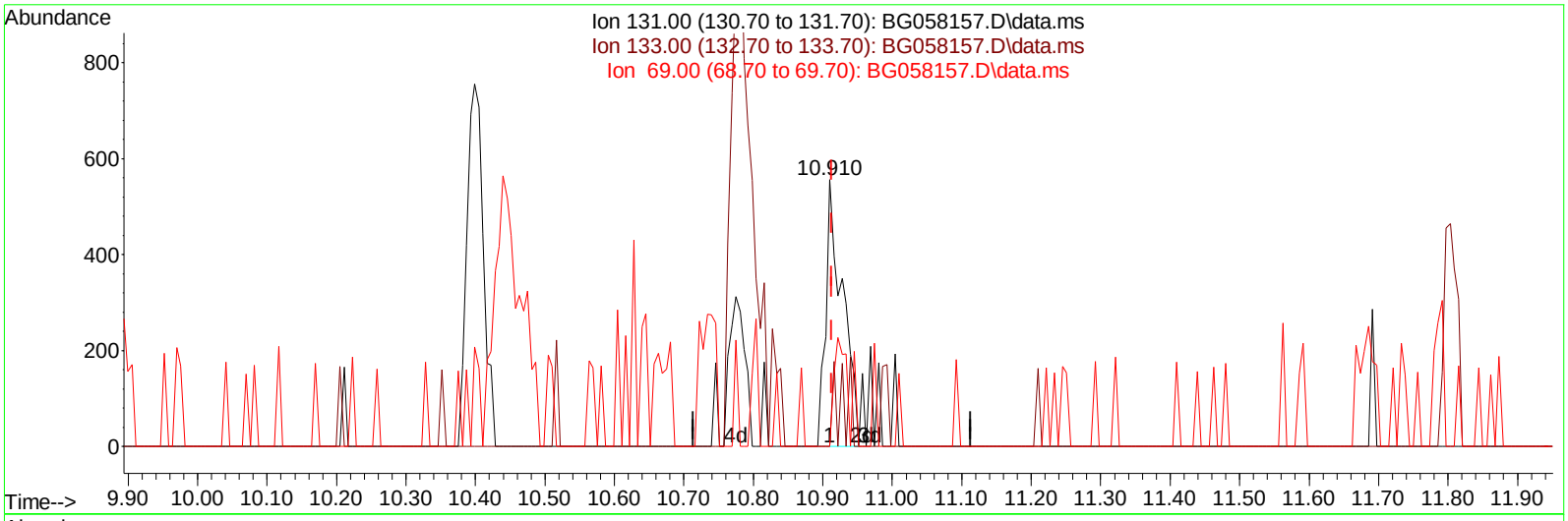
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071123\
Data File : BG058157.D
Acq On : 11 Jul 2023 12:53
Operator : CG/JU
Sample : 03386-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

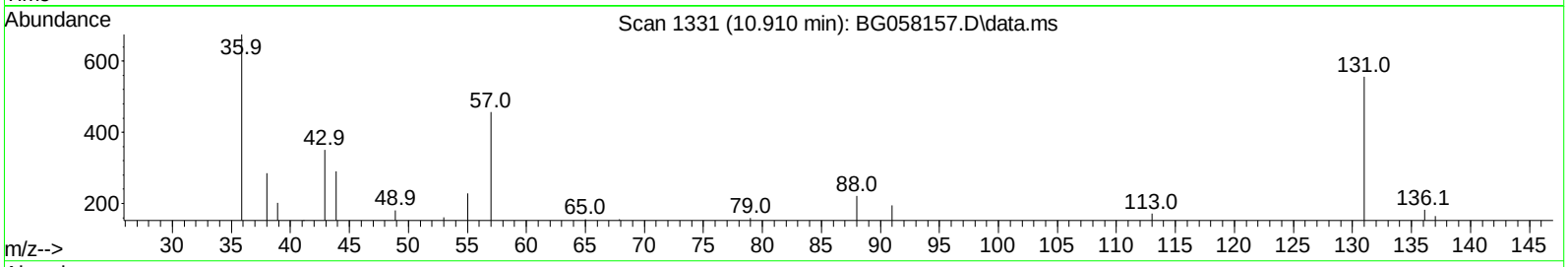
Quant Time: Jul 11 22:54:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070123.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 10 16:52:40 2023
Response via : Initial Calibration

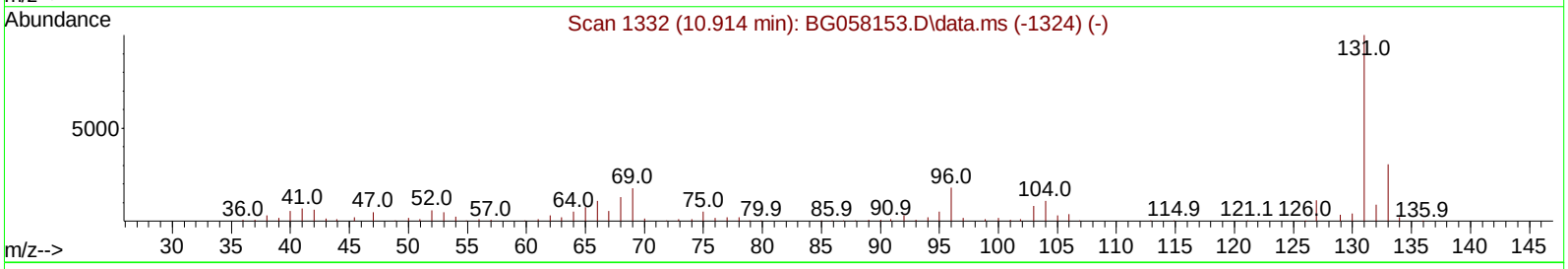
**Instrument :**
BNA_G
**ClientSampleId :**
EX801

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023




TIC: BG058157.D\data.ms

**(31) 4-Chloroaniline-d4 (S)**

**10.910min (-0.003) 0.16 ng/ul m**

**response 934**

| Ion | Exp% | Act% |
|---|---|---|
| 131.00 | 100.00 | 100.00 |
| 133.00 | 31.10 | 0.00# |
| 69.00 | 18.00 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

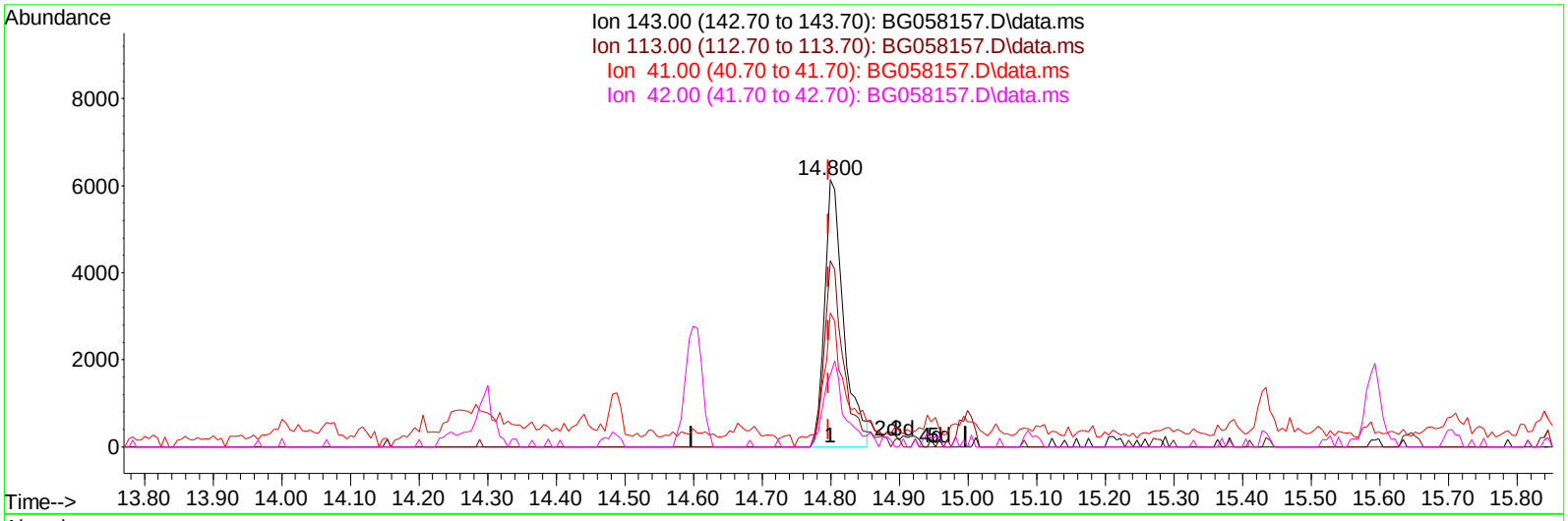
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071123\
Data File : BG058157.D
Acq On : 11 Jul 2023 12:53
Operator : CG/JU
Sample : 03386-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

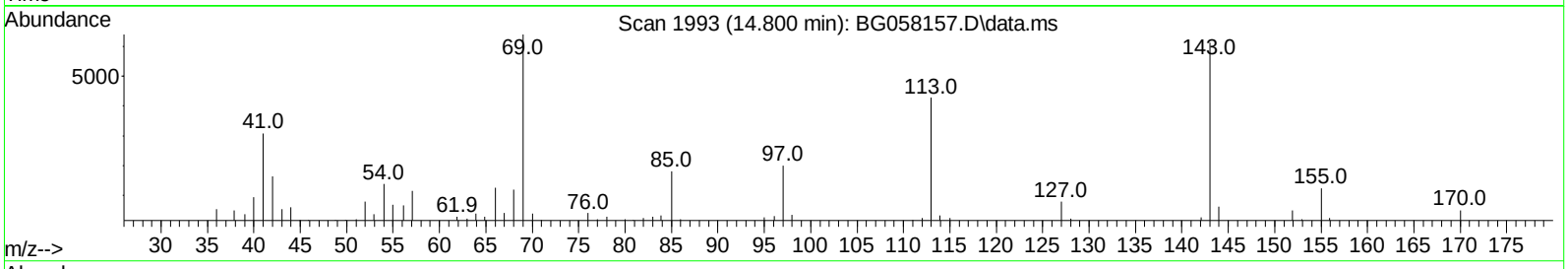
Quant Time: Jul 11 22:54:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070123.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 10 16:52:40 2023
Response via : Initial Calibration

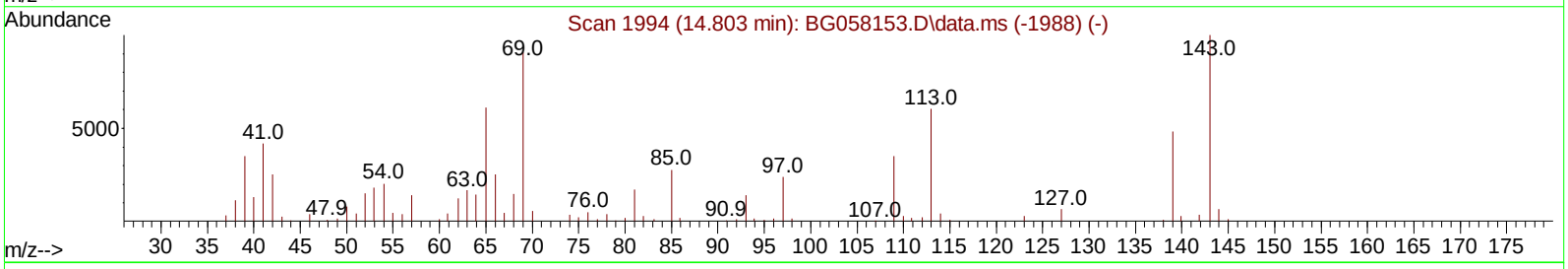
**Instrument :**
BNA_G
**ClientSampleId :**
EX801

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023




TIC: BG058157.D\data.ms

**(54) 4-Nitrophenol-d4 (S)**

**14.800min (+ 0.003) 5.08 ng/ul**

**response 11897**

| Ion | Exp% | Act% |
|---|---|---|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 66.40 | 69.70 |
| 41.00 | 40.50 | 50.19# |
| 42.00 | 27.50 | 26.72 |

Quantitation Report (Qedit)

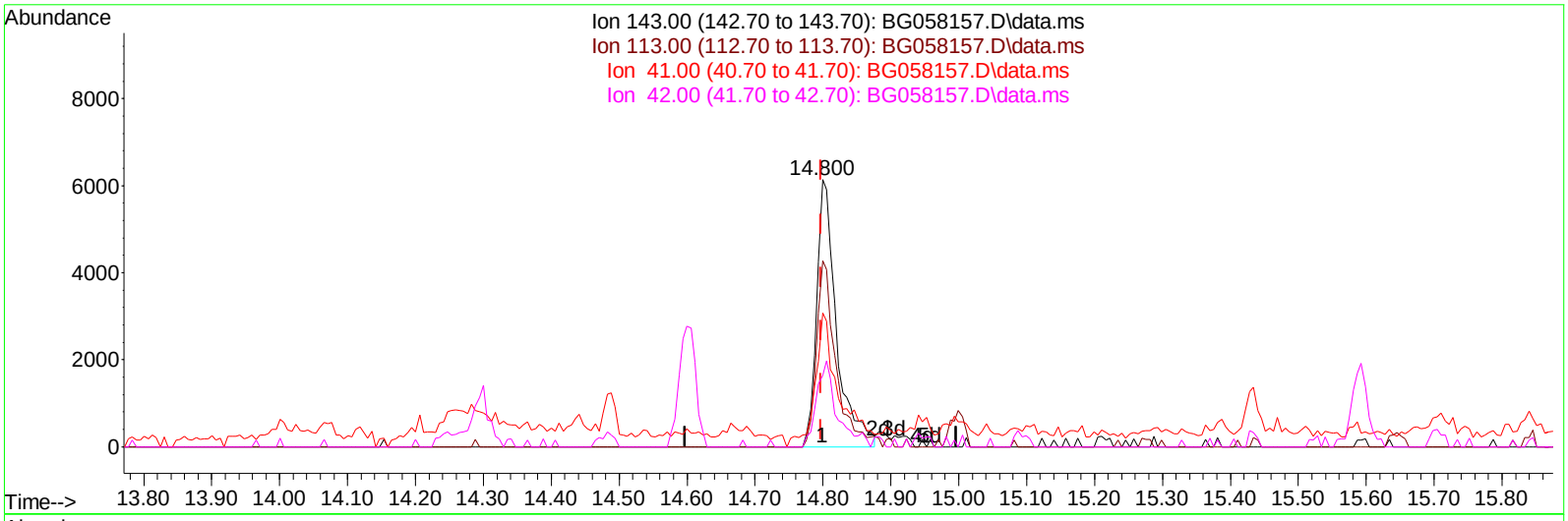
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071123\
Data File : BG058157.D
Acq On : 11 Jul 2023 12:53
Operator : CG/JU
Sample : 03386-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

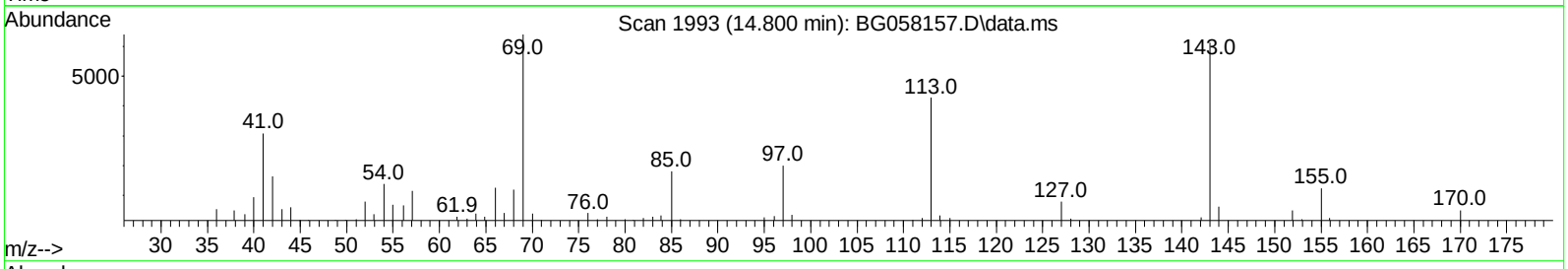
Quant Time: Jul 11 22:54:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070123.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 10 16:52:40 2023
Response via : Initial Calibration

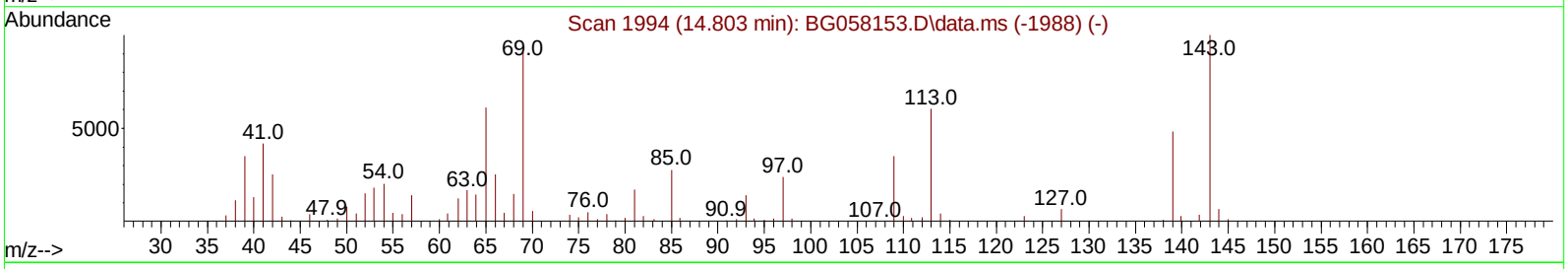
**Instrument :**
BNA_G
**ClientSampleId :**
EX801

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023




TIC: BG058157.D\data.ms

**(54) 4-Nitrophenol-d4 (S)**

**14.800min (+ 0.003) 5.31 ng/ul m**

**response 12422**

| Ion | Exp% | Act% |
|---|---|---|
| 143.00 | 100.00 | 100.00 |
| 113.00 | 66.40 | 69.70 |
| 41.00 | 40.50 | 50.19# |
| 42.00 | 27.50 | 26.72 |

Quantitation Report (Qedit)

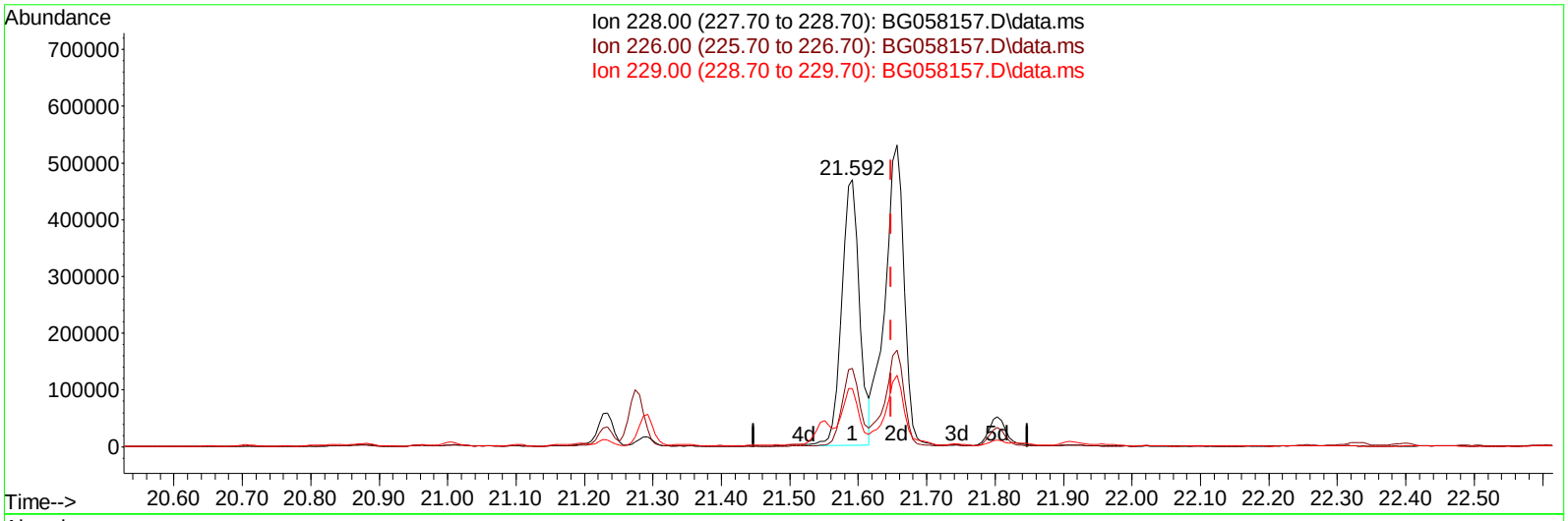
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071123\
Data File : BG058157.D
Acq On : 11 Jul 2023 12:53
Operator : CG/JU
Sample : 03386-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

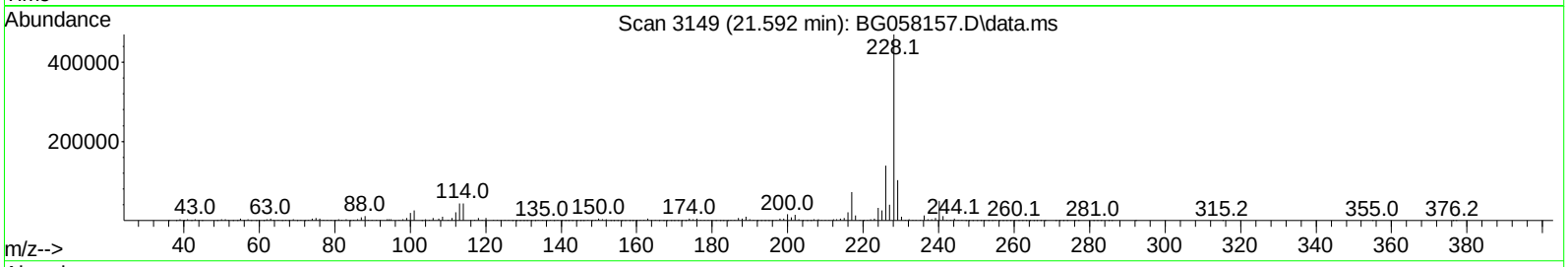
Quant Time: Jul 11 23:11:58 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070123.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 10 16:52:40 2023
Response via : Initial Calibration

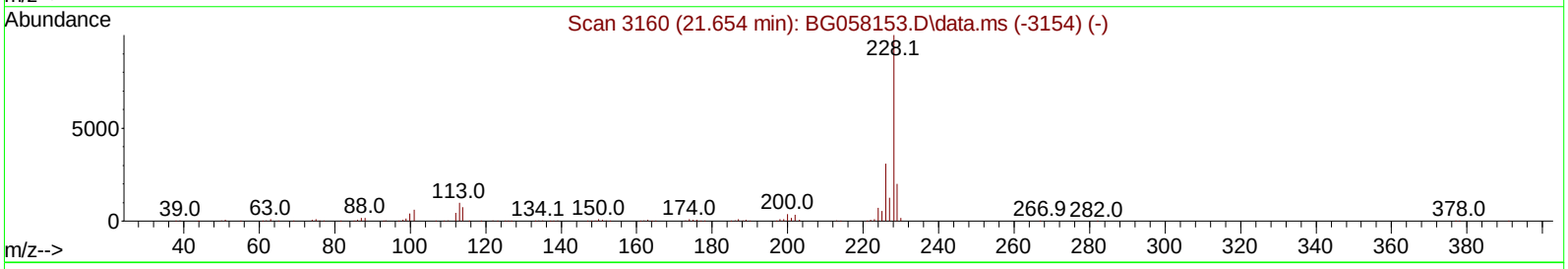
**Instrument :**
BNA_G
**ClientSampleId :**
EX801

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023




TIC: BG058157.D\data.ms

**(87) Chrysene**

**21.592min (-0.056) 42.50 ng/ul**

**response 851756**

| Ion | Exp% | Act% |
|---|---|---|
| 228.00 | 100.00 | 100.00 |
| 226.00 | 30.50 | 29.43 |
| 229.00 | 19.40 | 21.76 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

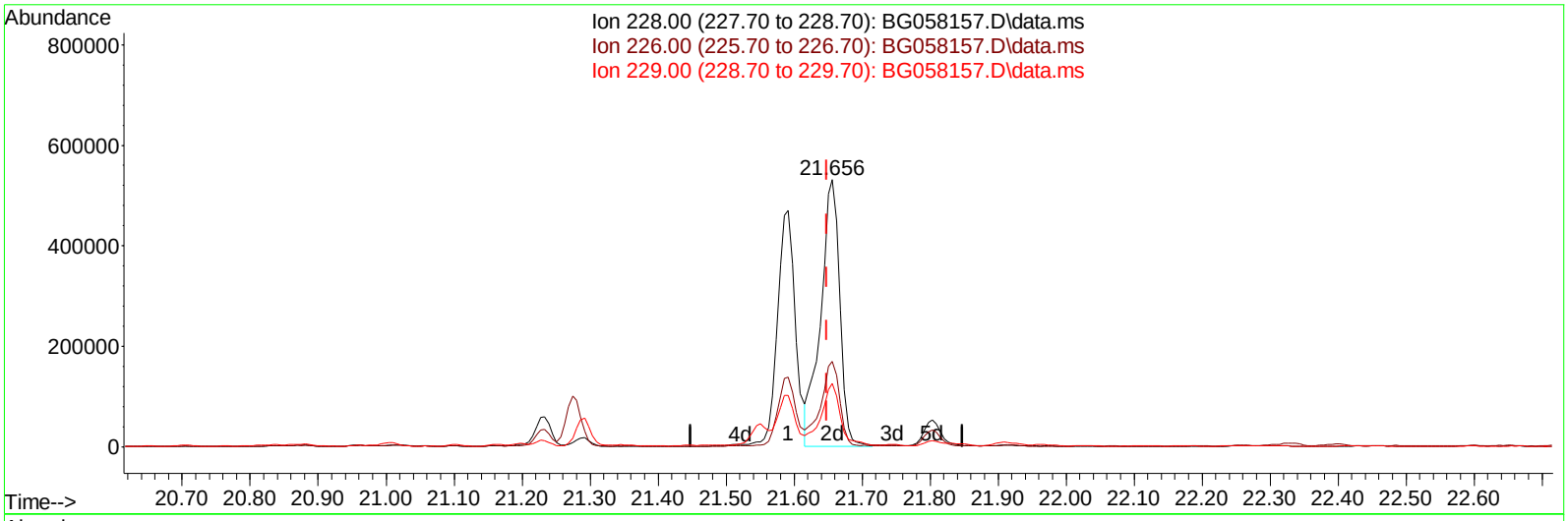
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071123\
Data File : BG058157.D
Acq On : 11 Jul 2023 12:53
Operator : CG/JU
Sample : 03386-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

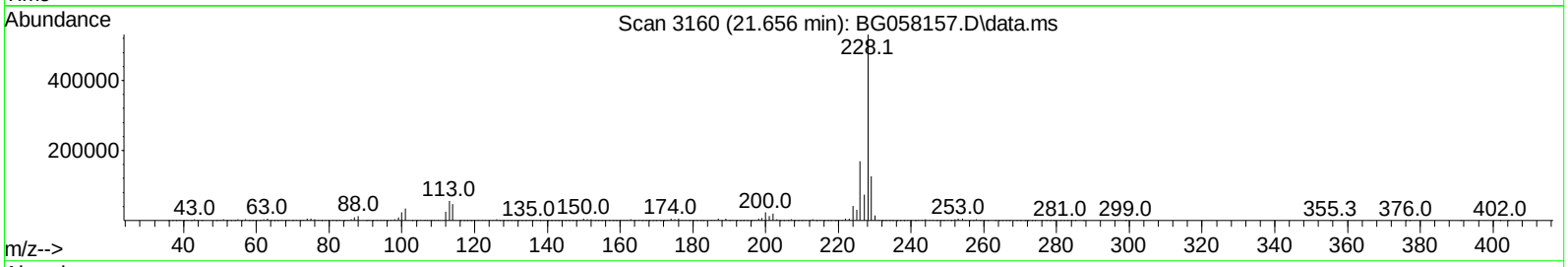
Quant Time: Jul 11 23:11:58 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070123.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 10 16:52:40 2023
Response via : Initial Calibration

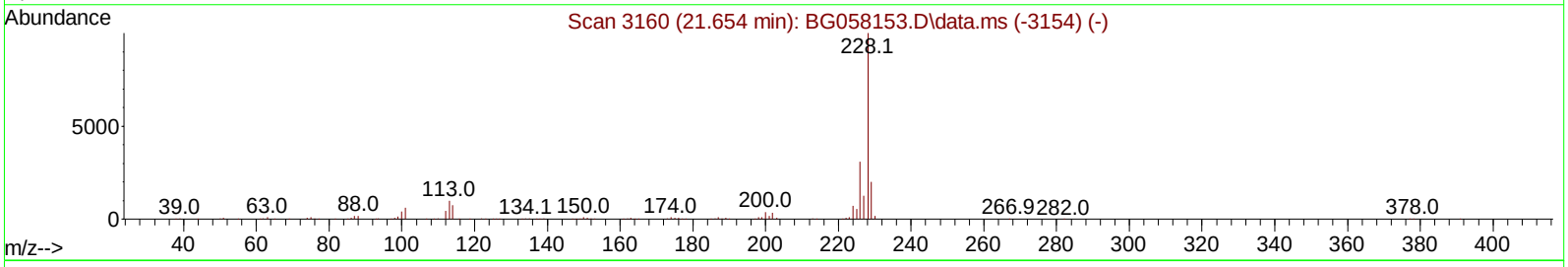
**Instrument :**
BNA_G
**ClientSampleId :**
EX801

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023




TIC: BG058157.D\data.ms

**(87) Chrysene**

**21.656min (+ 0.008) 52.26 ng/ul m**

**response 1047332**

| Ion | Exp% | Act% |
|---|---|---|
| 228.00 | 100.00 | 100.00 |
| 226.00 | 30.50 | 31.98 |
| 229.00 | 19.40 | 23.79# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

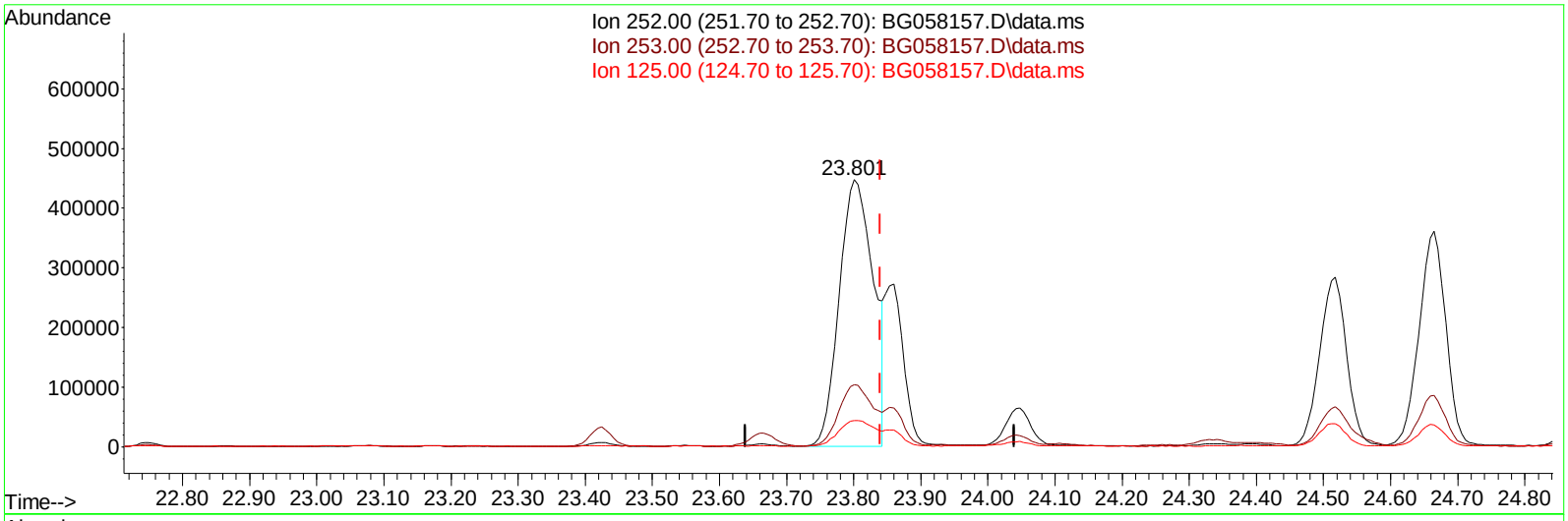
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071123\
Data File : BG058157.D
Acq On : 11 Jul 2023 12:53
Operator : CG/JU
Sample : 03386-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

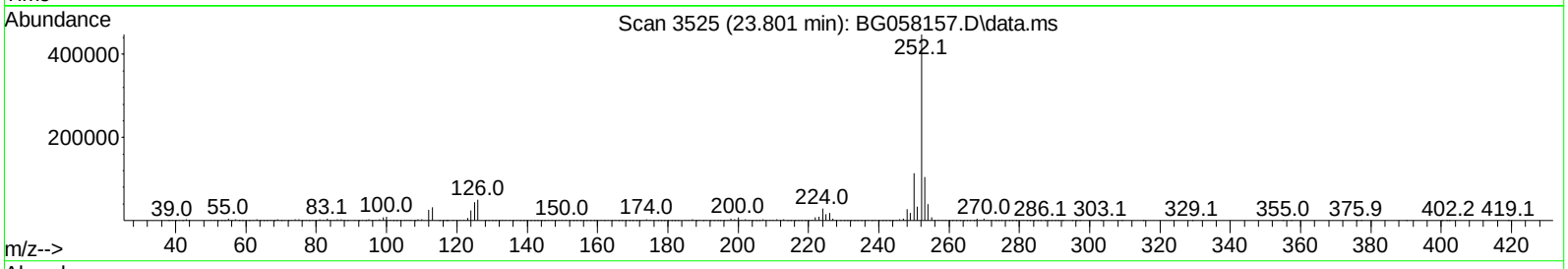
Quant Time: Jul 11 23:12:38 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070123.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 10 16:52:40 2023
Response via : Initial Calibration

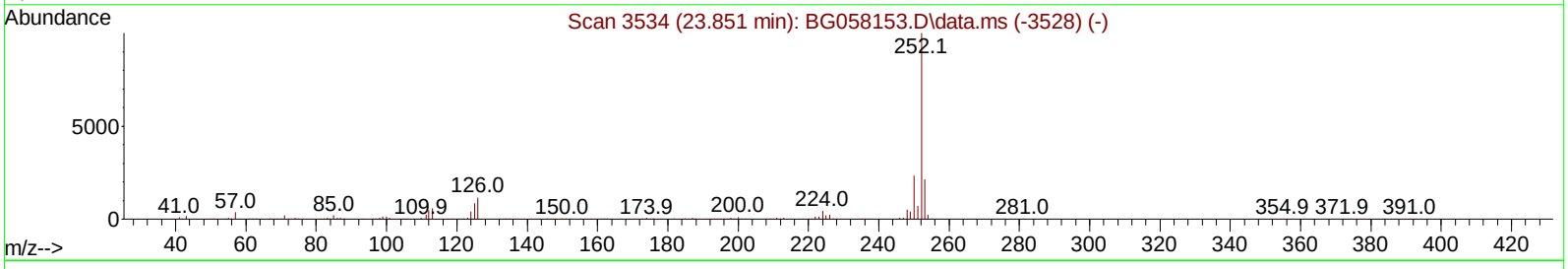
**Instrument :**
BNA_G
**ClientSampleId :**
EX801

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023




TIC: BG058157.D\data.ms

**(91) Benzo(k)fluoranthene**

**23.801min (-0.039) 66.20 ng/ul**

**response 1579341**

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.10 | 23.34 |
| 125.00 | 9.30 | 9.86 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

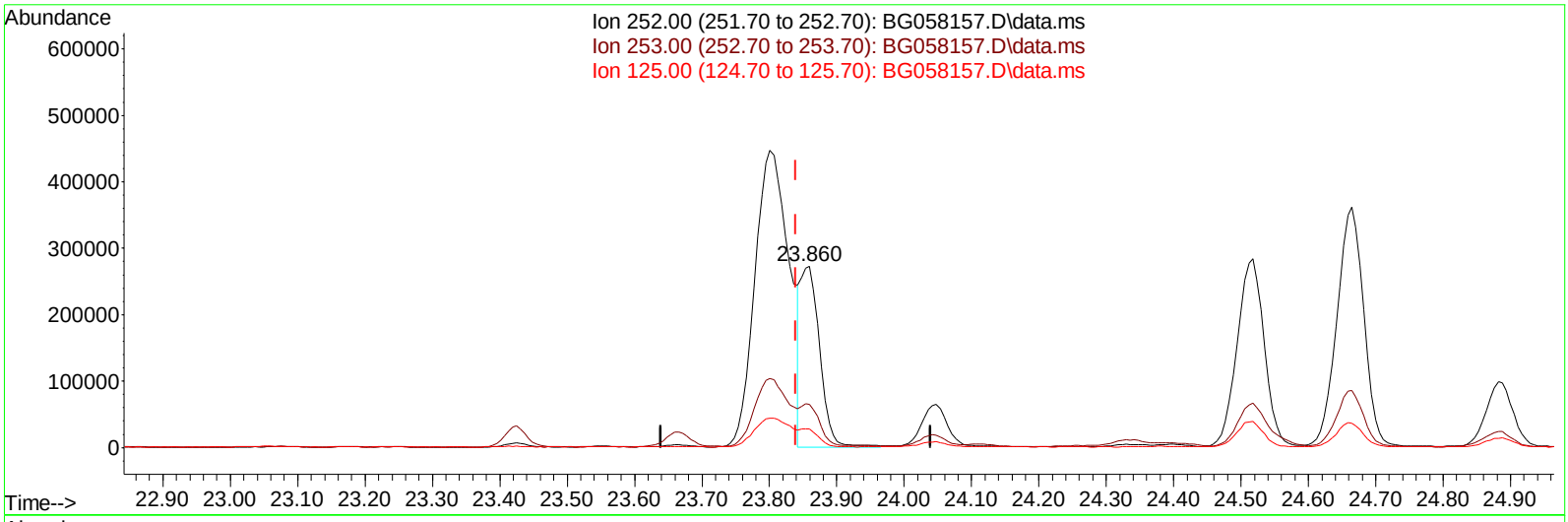
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071123\
Data File : BG058157.D
Acq On : 11 Jul 2023 12:53
Operator : CG/JU
Sample : 03386-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

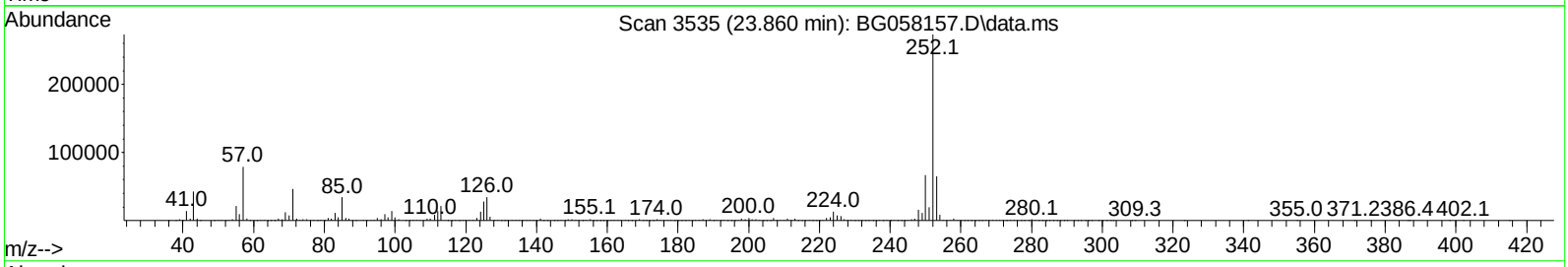
Quant Time: Jul 11 23:12:38 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070123.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 10 16:52:40 2023
Response via : Initial Calibration

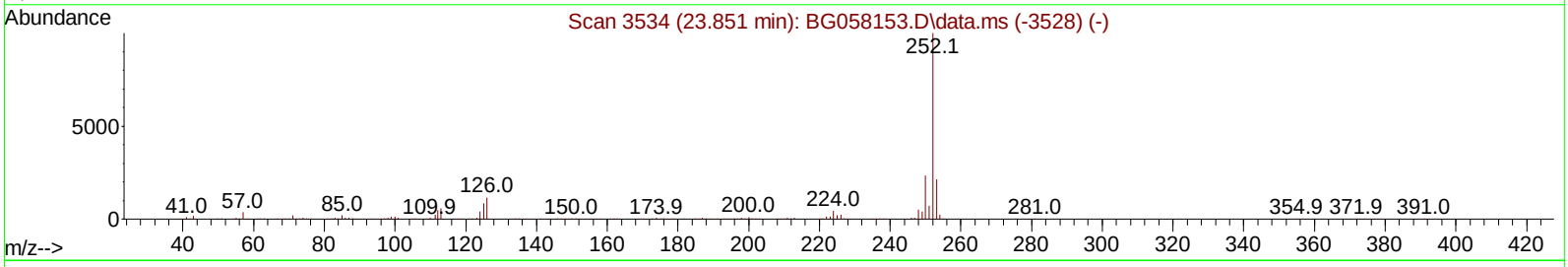
**Instrument :**
BNA_G
**ClientSampleId :**
EX801

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023




TIC: BG058157.D\data.ms

**(91) Benzo(k)fluoranthene**

**23.860min (+ 0.020) 22.24 ng/ul m**

**response 530584**

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 22.10 | 23.75 |
| 125.00 | 9.30 | 10.13 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071123\
Data File : BG058157.D
Acq On : 11 Jul 2023 12:53
Operator : CG/JU
Sample : 03386-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 11 23:13:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070123.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 10 16:52:40 2023
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
EX801

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.972 | 152 | 53183 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.781 | 136 | 240922 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.600 | 164 | 167968 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.344 | 188 | 372418 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.609 | 240 | 297723 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.811 | 264 | 393111 | 20.000 | ng/ul | 0.03 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.401 | 96 | 2156 | 1.420 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.818 | 84 | 7294 | 1.582 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.132 | 99 | 52215 | 9.614 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.297 | 67 | 30159 | 9.214 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.502 | 132 | 36286 | 9.687 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.677 | 113 | 38494 | 9.393 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.136 | 128 | 18496 | 9.419 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.852 | 143 | 21110 | 10.229 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.399 | 165 | 40281 | 10.175 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.910 | 131 | 934m | 0.156 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.000 | 166 | 130933 | 9.880 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.294 | 160 | 150025 | 10.374 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.800 | 143 | 12422m | 5.305 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.593 | 176 | 116739 | 10.372 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.710 | 200 | 10458 | 5.171 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.444 | 188 | 185314 | 10.723 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.729 | 212 | 209357 | 11.165 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.588 | 264 | 212052 | 10.588 | ng/ul | 0.02 |
| Target Compounds | | | | | | Qvalue |
| 6) Benzaldehyde | 7.114 | 77 | 4677 | 2.579 | ng/ul | 87 |
| 8) Phenol | 7.161 | 94 | 7427 | 1.348 | ng/ul | 95 |
| 16) Acetophenone | 8.795 | 105 | 58092 | 8.544 | ng/ul | 98 |
| 30) Naphthalene | 10.834 | 128 | 41048 | 3.032 | ng/ul | 99 |
| 36) 2-Methylnaphthalene | 12.432 | 142 | 18005 | 1.973 | ng/ul | 99 |
| 37) 1-Methylnaphthalene | 12.649 | 142 | 10469 | 1.144 | ng/ul# | 94 |
| 52) Acenaphthene | 14.664 | 153 | 23050 | 2.151 | ng/ul | 97 |
| 56) Dibenzofuran | 14.999 | 168 | 26837 | 1.762 | ng/ul | 99 |
| 61) Fluorene | 15.646 | 166 | 20491 | 1.639 | ng/ul | 98 |
| 72) Phenanthrene | 17.391 | 178 | 655602 | 34.608 | ng/ul | 99 |
| 74) Anthracene | 17.479 | 178 | 99519 | 5.191 | ng/ul | 97 |
| 77) Carbazole | 17.743 | 167 | 72375 | 4.174 | ng/ul | 98 |
| 80) Fluoranthene | 19.406 | 202 | 1733209 | 79.771 | ng/ul | 99 |
| 82) Pyrene | 19.764 | 202 | 1526097 | 69.778 | ng/ul | 97 |
| 85) Benzo(a)anthracene | 21.592 | 228 | 857144 | 40.097 | ng/ul | 96 |
| 86) Bis(2-ethylhexyl)phtha... | 21.480 | 149 | 76464 | 6.016 | ng/ul | 96 |
| 87) Chrysene | 21.656 | 228 | 1047332m | 52.264 | ng/ul | |
| 90) Benzo(b)fluoranthene | 23.801 | 252 | 1579341 | 64.885 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 23.860 | 252 | 530584m | 22.239 | ng/ul | |
| 93) Benzo(a)pyrene | 24.664 | 252 | 988191 | 45.869 | ng/ul | 97 |
| 94) Indeno(1,2,3-cd)pyrene | 28.472 | 276 | 859789 | 30.054 | ng/ul | 99 |
| 95) Dibenzo(a,h)anthracene | 28.507 | 278 | 182962 | 7.756 | ng/ul# | 92 |
| 96) Benzo(g,h,i)perylene | 29.629 | 276 | 787830 | 33.715 | ng/ul | 97 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071123\
Data File : BG058157.D
Acq On : 11 Jul 2023 12:53
Operator : CG/JU
Sample : 03386-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 11 23:13:06 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070123.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 10 16:52:40 2023
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
EX801

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071123\
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